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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/071,368	02/08/2002	Ryusuke Hasegawa	H0002699 (4710)	1788
7	7590 02/12/2004		EXAM	INER
ERNEST D. BUFF			NGUYEN, TUYEN T	
ERNEST D. B	UFF & ASSOCIÁTES			
245 SOUTH S			ART UNIT PAPER NUMBER	
MORRISTOW	'N, NJ 07960		2832 DATE MAILED: 02/12/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	10/071,368	HASEGAWA ET AL.					
Office Action Summary	Examiner	Art Unit					
	TUYEN T NGUYEN	2832	AW				
The MAILING DATE f this communication app Period for Reply	ears on the cover sheet with the c	rresp nd nce ad	dress				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period was period to reply within the set or extended period for reply will, by statute, any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely the mailing date of this co D (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 10 No	ovember 2003.						
	This action is FINAL . 2b) This action is non-final.						
3) Since this application is in condition for allowar) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4) Claim(s) <u>1,4,5,7,8 and 11</u> is/are pending in the	application.						
4a) Of the above claim(s) is/are withdray		-					
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1,4,5,7,8 and 11</u> is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/or	election requirement.						
Application Papers							
9) The specification is objected to by the Examine	г.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PT	O-152.				
Priority under 35 U.S.C. § 119	•						
12) ☐ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of:	priority under 35 U.S.C. § 119(a)	-(d) or (f).	•				
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the prior	· · · · · · · · · · · · · · · · · · ·						
application from the International Bureau	application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.							
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO-152)							
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 9/17/03.	6) Other:	атент Аррисации (РТС	J-1J <i>L)</i>				
S. Patent and Trademark Office							

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DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1, 4-5, 7-8 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yoshida et al. [US 6,594,157].

Yoshida et al. discloses a core structure for an induction device [figure 10, see previous office action mailed 9/2/03, paragraph 3].

Yoshida et al. discloses the instant claimed invention except the core structure being formed of ribbon.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to form the Fe-base powder of Yoshida et al. into a ribbon before forming the core structure for the purpose of facilitating manufacture.

Response to Arguments

Applicant's arguments filed 11/10/2003 have been fully considered but they are not persuasive.

Applicant argues that:

[1] Yoshida et al. do not teach the core form of Fe-based amorphous alloy ribbon;

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[2] Yoshida et al. discloses cores having a permeability that falls significantly with frequency, e.g. between 100kHz and 1000 kHz [see figure 12]; and

[3] Applicant's core also lacks the mixture of insulating material that is required to be combined with magnetic powder in the cores of Yoshida et al.

The examiner disagrees.

Regarding [1], as acknowledge by applicant, Yoshida et al. Fe-based amorphous alloy material can be formed into a desired core shape. It would have been obvious to form the core material of Yoshida et al. into a ribbon prior to forming the core structure.

Regarding [2], Yoshida et al. discloses the core has a substantially constant permeability over a frequency range of about 1 to 1000 kHz [see figure 10].

Regarding [3], applicant merely claims [in claim 1, 4-5, 7-8 and 11] the core *consists* essentially of an Fe-base amorphous metal alloy ribbon. Applicant has not precluded insulating material from the core.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TUYEN T NGUYEN whose telephone number is 703-308-0821. The examiner can normally be reached on M-F 8:30-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, ELVIN ENAD can be reached on 703-308-7619. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TTN TIN

Tuger Kguyhr